



# The Ground Plane

South Bay  
Amateur  
Radio  
Association  
ARRL Member Club  
Since 1974



Volume 2 Edition 6

June, 2001

## Presidents Message— Field Day Edition

SBARA 2001 President—Mike AB6CV

**J**une holds a very special date for all Amateur Radio Operators, Field Day. A lot of newer hams may not know what the fuss is. Ham Radio operators use Field Day as an annual social event and time to practice setting up a ham radio station in a field.

Using portable antennas and emergency power stations are constructed to operate the weekend event. There is a lot of diversity in the setups. Some small some large.

SBARA wants to make Field Day a fun event. We have operating stations for you to try your skills at on HF contesting.

If you don't want to try operating you can tour the various operating positions. We can also really use help in setting things up or taking them down. We can always use help at the "kitchen" too.

### June Program Announcement

**June 20**, SBARA Club meeting will be at our new location in Union City. We will be meeting at the American Red Cross facility located on — Mission Blvd.

**The meeting will be devoted to the Field Day plans and operating positions.**

**See you all at 7:30PM!**

You don't have to be there all the time. You can drop in when ever you want.

Stop by to see what unique antenna designs Alan and others have whipped up.

Bring friends and family.

There will be lots to see and do.

Mike AB6CV

### Editor's Note

**Field Day this year is held on June  
23 and 24, 2001**

**We'll see all of you at Lake  
Elizabeth this year. Plan on lot's of  
fun!**

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## SBARASAT On The Air

I have connected the SBARASAT computer system to a big transceiver.

I am currently using 144.88 as the command uplink frequency. (DTMF)

And I am using 446.025 as the packet output frequency.

But since the rig is synthesized I can move the frequencies easily. I do need some club members to help test this out. Your "satellite" station should be able to send DTMF and receive AX.25 data. Let me know if you can do this.

Call me if you have time to play. 510 209-8241

Mike AB6CV

## More CUBESAT NEWS

Here is an article of status for the Space operations gang.

Thanks to the gallant efforts of several of our members, and your gracious donations, the SBARASAT development group is advancing. The new CUBESAT chassis is near complete and the mentors at Stanford are very happy with that. Kudos to Messrs Alan Kittrell and Al Rendon are in order for that phase.

The CanSat that was built by some of the students last year was loaned out last week to the S.U. mentors group, as a demonstrator to other student groups. This was thought a good motivator as the young people at Black Rock launch site were very interested in that project. After some minor design changes, this project will be written up and photographed and submitted for publication by the students.

One of our charges, (Ms Jenneen Hartshorn) according to Prof Bob Twiggs, is becoming famous, as she recently named the SSDL labs newest satellite CRICKETSAT. This bird is built by younger students into a 35 mm film can. It has a simple UHF transmitter on board, and can take, and send sensory data to the ground from near altitude.

The Cubesat is marching along nicely, as our guys are trying to make circuit boards for the Comm. gear. The Computer is operating and continues on the air testing (Kudos to Mike Studer, President).

The transceiver is developing, as is the power plant, but the designs are all in place, so now its a race for the deadline.

The students are now preparing for our next expedition to the Black Rock Nev Launch site.

Finance is always an issue with programs like this, so

if anyone has need of a big Tax Deduction, or has a sudden attack of benevolence, you may direct donations, Grants, Wills to the SBARASAT development group, a Scientific/Educational Non Profit program.

You all should be very proud of yourselves for the support you are giving these students. Kudos around, and many thanks.

I am, once again ,your Ambassador,  
Lloyd Hartshorn /N6DOK

## Field Day 2001—Special Announcement

The SBARA June meeting is devoted to the plans that will be part of our Field Day operation. Lake Elizabeth is our home again this year!

Please remember to bring a "side-dish" and or a "dessert" for our Saturday Evening meal. Finally, Sunday morning helpers are needed to 'clean up' the site. Will you help?

Sights from the May SBARA Club Meeting—Contesting



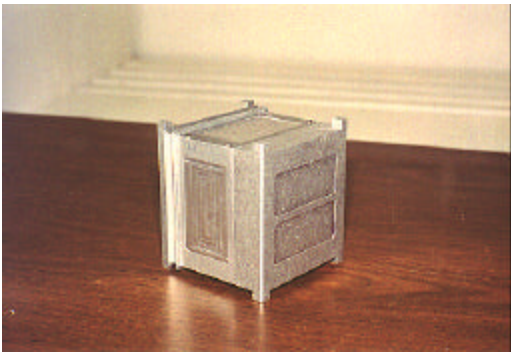
Don



Rig & Palm



Tuna Tin 2



Cube Sat



APRS Box



APRS Box

# Fremont ARES Meeting Minutes

## 5/23/01

**Attending:** Wayne Springsteen – WU6A, Jim Wood – KE6IVA, Mike Fung – WA6AWI,  
Steve Bassett – KQ6VH

### Old Business:

Jim will do net control on May 29<sup>th</sup> Weekly ARES Net.

Radio Drop Binder - Wayland KB6UOK and Mike WA6AWI are currently working to complete this project.

Telephone Tree – Mike presented a draft Telephone Tree. The next step is for each section leader to call all people assigned to them to see if they want to be on the Telephone Tree and update the information. Mike will distribute the list to the section leaders not attending. All calls are to be made by the next ARES meeting.

Fourth of July at Central Park – Jim has confirmed the request for ARES to provide personnel for the annual event. It will take place from 8am to 8pm, but the hours we are needed will be determined. We have the conference room as in past years to set up net control. Jim will provide the necessary equipment for net control and arrange the staffing of that function. Other staffing needs to be coordinated. We are asked to wear something that makes us stand out and it was determined that either orange t-shirts or the orange ARES windbreakers would be the best. Everyone attending will be asked to wear either.

### New Business:

Jim will ask Chris Mazone our police liaison to attend our next meeting. This is to allow us to discuss with him how we might best serve the police and the city. Based upon the discussion, appropriate training of ARES personnel will be presented in future meetings.

A discussion was held on the need to revitalize the ARES group. The attendance has been poor for quite some time. Those in attendance feel there needs to be more emphasis on training. When training is provided, it is expected more people will attend and become involved. With the next meeting with Chris Mazone, we hope to meet this need.

A discussion was held on the name of the group. With the name of Fremont Communication Volunteers, the Emergency aspect of the group is not emphasized. It is recommended to change the name back to ARES as in past years.

### Agency Reports:

CERT Teams – Mike said the Chaos drill went well using simplex.

Fire Dept. – Mike said that Frito Lay donated a 1 ½ ton van to the fire department. It is being determined if it can be outfitted as a CERT emergency vehicle.

No other reports were made.

Zucchini Festival – Mike announced the Hayward Zucchini Festival will be on August 18<sup>th</sup> and 19<sup>th</sup>. We are again asked to help during those days with communications. We will use commercial radios as in the past. We are only needed during daytime hours. Contact Mike Fung for more info.

### SBARA Programs June to August

<b>JUNE 20</b>	<b>ALL ABOUT FIELD DAY</b>	<b>ALAN KITTRELL</b>	<b>SBARA MEMBER</b>
<b>JULY 18</b>	<b>ADVANCED T-HUNTING</b>	<b>SYD TO DETERMINE</b>	<b>TBD</b>
<b>August 15</b>	<b>To Be Announced</b>		<b>TBD</b>



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